

ABSTRACT OF THE DISCLOSURE

A transmission (8) has a transmission case (26) that comprises an area in which the gear wheels (66, 68) rotate, and a heat exchanger (30) that absorbs heat generated in the transmission (8) and transferred to a transmission lubricant and conveys this heat to a coolant for transporting the heat away from the transmission (8). A recess (56), through which transmission lubricant flows and in which the heat exchanger (30) is arranged, is provided in the transmission case (26) outside the area in which the gear wheels (66, 68) rotate.